

DERWENT-ACC-NO: 1999-330916

DERWENT-WEEK: 199928

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TITLE: Global positioning system (GPS) receiver
for navigation
system - shifts predetermined GPS receiver
phase to
perform satellite scanning to enable override
of position
data when position data with acquired
correlation value
in low channel are determined to be abnormal
data

PATENT-ASSIGNEE: MATSUSHITA DENKI SANGYO
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PRIORITY-DATA: 1997JP-0291785 (October 9, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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JP 11118900 A	April 30, 1999	N/A 008
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APPLICATION-DATA:

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JP 11118900A
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INT-CL (IPC): G01S005/14

ABSTRACTED-PUB-NO: JP 11118900A

BASIC-ABSTRACT:

NOVELTY - The predetermined phase of the GPS receiver is shifted to perform the scanning of a satellite so that override of position data can be performed when an abnormality decision circuit (14) judges that the position data with the acquired correction value in a low channel are determined to be abnormal data.

DETAILED DESCRIPTION - A positioning device (13) computes the position of the GPS receiver based on the track information from the satellite. A comparator (15) collates the content of the received position data in one channel of a detection circuit (12) and the content of the newly received position data in the other channel of the detection circuit. The override of the position data is informed to the positioning device. An INDEPENDENT CLAIM is also included for a GPS reception procedure.

USE - Applicable for navigation system.

ADVANTAGE - Deviation of receiving data from GPS satellite can be judged in advance, thus preventing utilization of incorrect detection channel for positioning count. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a GPS receiver. (12) Detection circuit; (13) Positioning device; (14) Abnormality decision circuit; (15) Comparator.

CHOSEN-DRAWING: Dwg.1/5

TITLE-TERMS: GLOBE POSITION SYSTEM GROUP
RECEIVE NAVIGATION SYSTEM SHIFT
PREDETERMINED GROUP RECEIVE PHASE
PERFORMANCE SATELLITE SCAN ENABLE
OVERRIDE POSITION DATA POSITION DATA
ACQUIRE CORRELATE VALUE LOW
CHANNEL DETERMINE ABNORMAL DATA

DERWENT-CLASS: W06

EPI-CODES: W06-A03;

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